

HORMONAL IMPLANTS TREATMENT OF THE BREAST CANCER

Abstract:

- 5 An improved method and products for the hormonal treatment of breast cancer by breast implants of anti-estrogens and steroid hormones in formulations as fused with a lipoid carrier or encapsulated in microcapsules or in Silastic capsules is provided. Such breast implants renders a constant slow-release of their contents to the breast tissue for extended periods by biodegradation and diffusion. It facilitates higher breast tissue concentrations
- 10 of anti-estrogen and hormonal compositions. Because of their high concentration in the breast and lower systemic distribution, tumor control is much improved and the their systemic toxicity is minimized. An added beneficial effect of these breast implants on breast cancer is mediated by the inhibition of hypothalamic-pituitary LHRH, FSH and LH secretion by these composition's systemic contents. It is also an effective prophylaxis
- 15 against breast cancer. Furthermore, it reduces the cost of hormonal treatment of breast cancer. Anti-estrogen hormonal implants to the breast as concomitant hormonal treatment with conventional radiation therapy also facilitates improved tumor control and cure rates of breast cancer.

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